

Comment of Jason Boehk
FCC Docket # 16-421

1) I strongly oppose any FCC action to "... expedite the deployment next generation wireless infrastructure [5G]..." and I reject the FCC's assertion, implicit in its presentation of this Docket, that its proper role is somehow to "promote" the proliferation of microwave technologies that are fundamentally hazardous to human health.

2) I strongly oppose FCC's promotion of any further preemption of local control over the siting, process and fees for wireless infrastructure. Our local communities, backyards, and public rights-of-way do not exist for the mere commercial utility of powerful industries, nor do they exist to be essentially "taken" by the telecom industry and its minions, without compensation to the people and in gross contempt of our health and welfare.

3) The wireless industry adamantly opposes being regulated but they are requesting privileges (access to rights of way on our properties) that are reserved for regulated utilities. And they seem to want such privileges for little or no cost. This is an outrage and should not be tolerated.

4) I agree with the comments submitted by Deborah Kopald, in which she highlights the FCC's inaction regarding the comments that it solicited in 2013 with Docket #13-84:

There should be a moratorium on infrastructure rollouts, since there is voluminous evidence and testimony in response to Docket #13-84 that FCC guidelines are non-adhesive to the objective reality of health and biological effects.

5) The FCC's proposal to "expedite" 5G infrastructure deployment will only add insult to the injuries cynically enshrined in the 1996 Telecom Act, which was clearly unconstitutional, by limiting the ability of local jurisdictions to deny the siting of communications infrastructure on health or environmental grounds.

6) The industry's greed, as exemplified in this case by Mobilitie, knows no bounds: Even with the bludgeon of the 1996 Telecom Act, industry is having trouble getting its cell towers installed in residential neighborhoods. Why? Because we do not want them! And we don't want a small cell or DAS (so-called Distributed Antenna System) on the utility pole in front of our houses either.

7) Industry apparently will not be satisfied under every cubic inch of our planet has a cellular antenna irradiating us, 24/7. Do you have a Comcast public wi-fi "HotSpot" modem/router under your desk or in your living room? If so, use an RF meter to test the RF radiation it is generating at your feet; you will be shocked. Or read the fine print in your cell phone manual. This technology is hazardous to human health; the industry you are supposed to regulate knows it, and so do you; but profit trumps all?

8) FCC has been completely derelict in its duty, in willfully disregarding the testimony of numerous experts who have warned of the health effects of microwave radiation. It is

unconscionable for an agency that is supposed to protect the public, to go forth so recklessly on this 5G infrastructure.

9) I wish to emphasize that 5G wavelengths and modulation patterns are extremely harmful to health and the environment.

For example, with DAS and 4G/5G, the array of currently-used and planned, harmful frequencies, wavelengths, and modulations slated to be deployed in every last public and private space, indoors and out, is staggering:

- 5G: 600 MHz = microwaves ~20 inches
- 4G: 700 MHz = microwaves ~17 inches
- 3G/4G: 800 MHz = microwaves ~15 inches
- 3G/4G: 900 MHz = microwaves ~13 inches
- 3G/4G: 1800 MHz = microwaves ~7 inches
- 3G/4G: 2100 MHz = microwaves ~6 inches
- Wi-Fi: 2400 MHz = microwaves ~5 inches
- 5G: 3100 MHz to 3550 MHz = microwaves ~3.8 to 3.3 inches
- 5G: 3550 MHz to 3700 MHz = microwaves ~3.3 to 3.2 inches
- 5G: 3700 MHz to 4200 MHz = microwaves ~3.2 to 2.8 inches
- 5G: 4200 to 4900 MHz = microwaves ~2.8 to 2.4 inches
- Wi-Fi: 5800 MHz = microwaves ~2.0 inches
- 5G: 24,250 to 24,450 MHz = microwaves ~0.5 of an inch
- 5G: 25,050 to 25,250 MHz = microwaves ~0.5 of an inch
- 5G: 25,250 to 27,500 MHz = microwaves ~0.4 of an inch
- 5G: 27,500 to 29,500 MHz = microwaves ~0.4 of an inch
- 5G: 31,800 to 33,400 MHz = microwaves ~0.4 of an inch
- 5G: 37,000 to 40,000 MHz = microwaves ~0.3 of an inch
- 5G: 42,000 to 42,500 MHz = microwaves ~0.3 of an inch
- 5G: 64,000 to 71,000 MHz = microwaves ~0.2 of an inch
- 5G: 71,000 to 76,000 MHz = microwaves ~0.2 of an inch
- 5G: 81,000 to 86,000 MHz = microwaves ~0.1 of an inch

10) Microwave radiation bioeffects increase synergistically, not merely additively, with the markedly increased complexity of simultaneous frequency deployments.

11) Moreover, 5G would deploy more bandwidth than ever deployed in the entirety of human history, combined, for worse effects than have ever previously been noted in bioeffects studies. Worse, in many cases, the microwave radiation is intended to be concentrated semi-directionally in a 15-degree arc, which approaches maser-like, direct-energy weaponry.

12) And please, have mercy on our pollinators; we need them to pollinate the food we need to survive.

13) By contrast, fiber-optics and hard-wired technologies can provide the same services,

with far better results, and with no harm to health.

14) Other countries are demonstrating wisdom far greater than that demonstrated to date by FCC, and common sense far greater than our own. For example, “SBWire.com” on 3/6/2017, reports:

“Several countries already have health policies in place to reduce school children's exposure to wireless. Cypress now joins France, Brazil, Ghent in Belgium, and Israel in banning wireless in kindergarten classrooms and enacting strong measures to minimize wireless exposures in elementary schools.”

In this context, it is time for the FCC to resist the lobbying pressure from industry, and instead, to begin to rollback the wireless assault.

15) The FCC’s wanton promotion of wireless technologies is very shortsighted and damaging to the long-term health of our nation. It is also inherently wasteful of our precious energy resources, as wireless/microwave technologies are by nature dispersive and thus highly inefficient.

16) I agree with and wish to highlight the comments submitted jointly on March 8, 2017 by EMF Safety Network and Ecological Options Network.

17) On behalf of myself and other taxpayers in Sarasota County, Florida, I wish to assert and retain the legitimate and established authority of local municipalities in protecting citizens’ constitutional rights. The FCC must not further transgress these boundaries.

18) For the above reasons, please deny Mobilitie’s request to expedite 5G deployments.

Respectfully submitted by:

/s/ _____
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